

Team RoMeLa Robot Specification

Robot Picture:



Robot Name: THOR-RD (Tactical Hazardous Operations Robot-Rapid Deployment)

Height of the robot: 1.47 m

Weight of the robot: 49 kg

Walking speed in cm/s: 0.25 m/s

Number of degrees of freedom and type of motors on each kinematic chain of the robot:

31 Degrees of Freedom

H42-20-S300-R: Head, Arms

H54-100-S500-R: Arms, Legs

H54-200-S500-R: Arms, Legs

Type of sensors used (incl. type of camera(s)):

IMU: MicroStrain 3DM-GX4-45

Vision: Logitech C920 HD Camera

Force/Torque Sensor at Ankle: ATI Mini58

Computing unit(s):

Gigabyte Brix Ultra Compact PC Intel i7-4500U

Other specs:

None